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	APPLICANT: GOULIAEV, et al.	
	FILING DATE: June 16, 2005	GROUP:

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	AA	6 4 2 9 3 0 0	Aug. 06, 2002	Kurz, M et al.		
	AB	6 2 0 7 4 4 6	Mar 27, 2001	Szostak, J et al.		
	AC	6 1 4 3 5 0 3	Nov 7, 2000	Baskerville, DS et al.		
	AD	6 6 2 0 5 8 7	Sept 16, 2002	Taussig, MJ et al.		
	AE	20030004122	Jan 2, 2003	Beigelman et al.		
	AF	6 5 9 3 0 8 8	Jul 15, 2003	Saito, I et al.		
	AG	5 5 7 1 9 0 3	Nov 5, 1991	Gryaznov,SM et al.		
	AH	5 4 7 6 9 3 0	Dec 19, 1995	Letsinger, RL et al.		
	AI	5 6 8 1 9 4 3	Oct 28, 1997	Letsinger, RL et al.		
	AJ	5 7 8 0 6 1 3	Jul 14, 1998	Letsinger, RL et al.		
	AK	5 7 4 1 6 4 3	Apr 21, 1998	Gryaznov, SM et al.		
	AL	5 8 3 0 6 5 8	Nov 3, 1998	Gryaznov, SM et al.		
	AM	5 8 4 3 6 5 0	Dec 1, 1998	Segev, D		
	AN	5 5 0 3 8 0 5	Apr 2, 1993	Sugarman et al.		
	AO	5 6 3 9 6 0 3	Jun 17, 1997	Dower et al.		
	AP	5 6 6 5 9 7 5	Sep 9, 1997	Kedar et al.		
	AQ	5 7 0 8 1 5 3	Jan 13, 1998	Dower et al.		
	AR	5 7 7 0 3 5 8	Jun 23, 1998	Dower et al.		
	AS	5 7 8 9 1 6 2	Aug 4, 1998	Dower et al.		
	AT	6 0 5 6 9 2 6	May 2, 2000	Sugarman et al.		
	AU	6 1 4 0 4 9 3	Oct 31, 2000	Dower et al.		
	AV	6 1 4 3 4 9 7	Nov 2, 2000	Dower et al.		
	AW	6 1 6 5 7 1 7	Dec 26, 2000	Dower et al.		
	AX	6 1 6 5 7 7 8	Dec 26, 2000	Kedar et al.		
	AY	6 4 1 6 9 4 9	July 9, 2002	Dower et al.		
	AZ	5 5 7 3 9 0 5	Nov. 12, 1996	Lerner, RL et al.		
	BA	5 7 2 3 5 9 8	Mar 3, 1998	Lerner, RL et al.		
	BB	6 0 6 0 5 9 6	May 9, 2000	Lerner, R et al.		
	BC	4 8 2 2 7 3 1	Apr. 18, 1989	Watson et al.		
	BD					

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	BE	6,297,053	Oct. 2, 2001	Stemmer		
	BF	20050025766	Feb. 2, 2005	Liu et al.		
	BG	20050042669	Feb. 24, 2005	Liu et al.		
	BH	20050042669	Feb. 24, 2005	Liu, David R		
	BI	20050025766	Feb. 3, 2005	Liu, David R		
	BJ	2012583054	June 30, 2005	Liu, David R		
	BK	2005170376	Aug. 4, 2005	Liu, David R		
	BL	20030050453	March13, 2003	Sorge Joseph A		
	BM	2004185484	Sept 23, 2004	Costa Gina L et al.		
	BN	2003182068	Oct 30, 2002	Battersby, Bronwyn, J. et al.		
	BO	5,663,046	Sept 2, 1997	Baldwin et al.		
	BP	20040197845	Oct 7, 2004	Hassibi, Arjang et al		
	BQ	20040191812	Sept 30, 2004	Davydova, Elena, K. et al		
	BR	6,789,091	Aug 24, 2004	Southern et al.		
	BS	6,662,045	Sept. 16, 2003	Chee et al.		
	BT	6,613,508	Sept 2, 2003	Ness et al.		
	BU	20030186233	Oct 2, 2003	Chesnut et al.		
	BV	20020115068	Aug 22, 2002	Tomlinsen et al.		
	BW	20020081714	Jun 27, 2002	Jain, Maneesh et al.		
	BX	6,287,765	Sept 11, 2001	Cubicciotti, Roger S. et al.		
	BY	20050170376	Aug 4, 2005	Liu, David R et al.		

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	BZ	WO/9303172	02-18-1993	GOLD et al		E
	CA	WO/9831700	07-23-1998	SZOSTAK et al		E
	CB	WO/0032823	06-08-2000	LOHSE et al		E
	CC	WO/0047775	08-17-2000	SZOSTAK et al		E
	CD	WO/9005785	05-31-1990	SCHULTZ		E

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	CE	EP 0324616	07-19-1989	ROYER et al		E
	CF	WO/9635699	11-14-1996	LETSINGER et al		E
	CG	EP 0695305	02-07-1996	LETSINGER et al		E
	CH	WO/0061775	10-19-2000	SERGEEV		E
	CI	EP 0604552	07-06-1994	DOWER et al		E
	CJ	WO 9512608	05-11-1995	SUGARMAN et al		E
	CK	EP 0773227	05-14-1997	DOWER et al		E
	CL	EP 0776330	06-04-1997	HOLMES		E
	CM	EP 0643778	03-22-1995	LERNER et al		E
	CN	WO/0023458	04-27-2000	HARBURY, et al		E
	CO	WO/02074929	09-26-2002	LIU et al		E
	CP	WO/2004016767	02-26-2004	LIU et al		E
	CQ	WO/9856904	12-17-1998	PAYAN		E
	CR	WO/0100876	01-04-2001	MIRKIN et al.		E
	CS	WO/9612014	04-25-1996	BRENNER		E
	CT	WO/02103008	12-27-2002	PEDERSEN et al		E
	CU	WO/02102820	12-27-2002	PEDERSEN et al		E
	CV	WO/03078625	09-25-2003	PEDERSEN et al		E
	CW	WO/2004013070	02-12-2004	PEDERSEN et al		E
	CX	WO/2004110964	12-23-2004	PEDERSEN et al		E
	CY	WO/2004024929	03-25-2004	FRANCH et al.		E
	CZ	WO/2004074501	09-02-2004	FRESKGARD et al		E
	DA	WO/03078445	09-25-2003	GOULIAEV et al.		E
	DB	WO/03078626	09-25-2003	GOULIAEV et al		E
	DC	WO/03078050	09-25-2003	GOULIAEV et al		E
	DD	WO/03078445	09-25-2003	GOULIAEV et al		E
	DE	WO/03078627	09-25-2003	GOULIAEV et al		E
	DF	WO/2004074429	09-02-2004	FRESKGARD et al		E
	DG	WO/2004083427	09-30-2004	FRANCH et al		E
	DH	WO/2004039825	05-13-2004	FRESKGARD et al		E
	DI	WO/2004001042	12-31-2003	FRESKGARD et al		E
	DJ	WO/9951773	10-14-1999	KUIMELIS et al		E
	DK	WO/9609316	03-28-1996	EATON et al		E

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	DL	WO/0021909	04-20-2000	DILLARD et al.		E
	DM	WO/2004009814	01-29-2004	PEDERSEN et al.		E
	DN	EP 1533385	05-25-2005	GLAD et al		E
	DO	WO/2005003778	01-13-2005	FRESKGARD et al		E
	DP	WO/2004099441	11-18-2004	MOLLER et al.		E
	DQ	WO/03082901	10-09-2003	LYNN, D et al.		E
	DR	WO/9105058	04-18-1991	KAWASAKI		E
	DS	WO/2005058479	06-30-2005	MORGAN et al.		E
	DT	WO/2004099441	11-18-2004	MOLLER et al.		E
	DU	WO/0040695	07-13-2000	ALEXANDROV etal		E
	DV	DE 19646372	06-19-1997	EVOTEC BIOSYSTEMS GMBH		A
	DW	WO/2005078122	08-25-2005	FRESKAARD et al		E
	DW1	WO/2005/026387	03-24-2005	THISTED, et al.		

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	DX	Nemoto, N et al. "In vitro virus: bonding of mRNA bearing puromycin at the 3'-terminal end to the C-terminal end of its encoded protein on the ribosome in vitro". FEBS Lett. 1997 Sep 8;414(2):405-8.
	DY	Roberts, RW et al. "RNA-peptide fusions for the in vitro selection of peptides and proteins". Proc Natl Acad Sci U S A. 1997 Nov 11;94(23):12297-302.
	DZ	Kurz, M et al. **"An efficient synthetic strategy for the preparation of nucleic acid-encoded peptide and protein libraries for in vitro evolution protocols"** Fourth International Electronic Conference on Synthetic Organic Chemistry (ECSOC-4), www.mdpi.org/ecsoc-4.htm, September 1-30, 2000
	EA	Kurz, M et al. "Psoralen photo-crosslinked mRNA-puromycin conjugates: a novel template for the rapid and facile preparation of mRNA-protein fusions. Nucleic Acids Res. 2000 Sep 15;28(18):E83.
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	ED	Mendel, D." Site-directed mutagenesis with an expanded genetic code". Annu. Rev. Biophys. Biomol. Struc. 1995. 24:463-93
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	EG	Liu, R et al. "Optimized synthesis of RNA-protein fusions for in vitro protein selection". Methods Enzymol. 2000;318:268-93.

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	EP	Fujimoto et al. "Template-directed photoreversible ligation of deoxyoligonucleotides via 5-Vinyldeoxyuridine" J. Am. Soc. 2000, 122, 5646-5647
	EQ	Kenzo Fujimoto, Shigeo Matsuda, Naoki Ogawa, Masayuki Hayashi & Isao Saito "Template-directed reversible photocircularization of DNA via 5-vinyldeoxycytidine". TETRAHEDRON LETTERS 2000 , 41:33:6451-6454
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	EY	Visscher J, Bakker CG, van der Woerd R, Schwartz AW "Template-directed oligomerization catalyzed by a polynucleotide analog". Science. 1989 Apr 21;244(4902):329-31.
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	FA	Zhan, ZJ and Lynn, DG "Chemical Amplification through template-directed synthesis". J. Am. Chem. Soc. 1997, 119, 12420-1
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	FE	Xu Y, Karalkar NB, Kool ET. "Nonenzymatic autoligation in direct three-color detection of RNA and DNA point mutations". Nat Biotechnol. 2001 Feb;19(2):148-52.
	FF	Li X, Zhan ZY, Knipe R, Lynn DG. "DNA-catalyzed polymerization". J Am Chem Soc. 2002 Feb 6;124(5):746-7.
	FG	Czlapinski, JL and Sheppard, TL. "Nucleic acid template-directed assembly of metallosalen-DNA conjugates". J Am Chem Soc. 2001 Sep 5;123(35):8618-9 published on the web 08/10/2001
	FH	Leitzel JC, Lynn DG "Template-directed ligation: from DNA towards different versatile templates". Chem Rec. 2001;1(1):53-62. Published online 30 Jan 2001.
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	FL	Gartner, Z; Liu, DR "The generality of DNA-templated synthesis as a basis for evolving non-natural small molecules". J Am Chem Soc. 2001 Jul 18;123(28):6961-3.
	FM	Gartner, et al.,"Expanding the reaction scope of DNA-templated synthesis Angew". Chem. Int. Ed. 2002, 41, No. 10 pp. 1796-1800. Published May 15, 2002.
	FN	Gartner, ZJ et al. "Multistep small-molecule synthesis programmed by DNA templates". J. AM. CHEM. SOC. Vol. 124, No. 35, 2002, 10304-10306.

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.	FP	Bittker, JA; Phillips, KJ and Liu, DR "Recent advances in the in vitro evolution of nucleic acids". Curr Opin Chem Biol. 2002 Jun;6(3):367-74. Review. Pub. on the web 20th March 2002.
	FQ	Summerer,D and Marx, A "DNA-templated synthesis: more versatile than expected". Angew Chem Int Ed Engl. 2002 Jan 4;41(1):89-90. Review
	FR	Gartner, ZJ et al. "Two enabling architectures for DNA-templated organic synthesis ". Angew. Chem Int. Ed. 2003, 42, No. 12, 1370-1375.
	FS	Rosenbaum, DM et al. "Efficient and sequence-specific DNA-templated polymerization of peptide nucleic acid aldehydes". J. AM. CHEM. SOC. Vol. 125, No. 46, 2003, 13924-13925.
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	FW	Pavia, MR. "The Chemical generation of molecular diversity". http://www.netsci.org/Science/Combichem/feature01.html [Date accessed 11-02-2004]
.	FX	Braun, E, et al. "DNA-templated assembly and electrode attachment of a conducting silver wire". Nature, Vol. 391, 19 February 1998, 775-778.
	FY	Tanaka, K et al. "Synthesis of a novel nucleoside for alternative DNA base pairing through metal complexation" J. Org. Chem. 1999, 64, 5002-5003.
	FZ	Beger, M et al. "Universal bases for hybridization, replication and chain termination", Nucleic acids research, 1 Aug. 2000, vol. 28, no. 15, pub., p2911-2914.
	GA	Weizman, H et al. "2,2'-Bipyridine ligandoside: a novel building block for modifying DNA with intra-duplex metal complexes". J. Am. Chem. Soc. 2001, 123, 3375-3376.
	GB	Frutos, AG et al. "Demonstration of a word design strategy for DNA computing on surfaces". Nucleic Acids Research, 1997, Vol. 25, No. 23, 4748-4757.
	GC	Loweth, CJ et al. "DNA-based assembly of gold nanocrystals". Angew. Chem. Int. Ed. 1999, 38, No. 12. 1808-1812.
	GD	Elghanian, R et al. "Selective colorimetric detection of polynucleotides based on the distance-dependent optical properties of gold nanoparticles". Science, Vol. 277, 22 August 1997,.
	GE	Storhoff, JJ and Mirkin, CA. "Programmed Materials Synthesis with DNA". Chem Rev. 1999 Jul 14;99(7):1849-1862.
	GF	Mirkin CA. "Programming the assembly of two- and three-dimensional architectures with DNA and nanoscale inorganic building blocks". Inorg Chem. 2000 May 29;39(11):2258-72.
	GG	Waybright SM, Singleton CP, Wachter K, Murphy CJ, Bunz UH. "Oligonucleotide-directed assembly of materials: defined oligomers". J Am Chem Soc. 2001 Mar 7;123(9):1828-33. Pub. on web 02/07/2001.

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	GI	DeWitt, SH et al. "Diversomers": an approach to nonpeptide, nonoligomeric chemical diversity". Proc. Natl. Acad. Sci, USA, Vol. 90, pp. 6909-6913, August 1993.
	GJ	Nielsen, J et al. "Synthetic methods for the implementation of encoded combinatorial chemistry". J. Am. Chem. Soc. 1993, 115, 9812-9813.
	GK	Ohlmeyer, MHJ et al. "Complex synthetic chemical libraries indexed with molecular tags". Proc. Natl. Acad, Sci, USA, Vol. 90, pp. 10922-10926, Dec. 1993, Chemistry.
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	GN	Luther, A et al. "Surface-promoted replication and exponential amplification of DNA analogues". Nature, 19 November 1998, Vol. 396, 245-248.
	GO	Klekota, B et al. "Selection of DNA-Binding Compounds via Multistage Molecular Evolution". Tetrahedron 55 (1999) 11687-11697.
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